

**IN THE UNITED STATES RECEIVING OFFICE
OF THE PATENT COOPERATION TREATY**

Application No. : 10/554,237 Confirmation No.: 1348
Applicant: : Dunse et al.
International Filing Date: April 23, 2004
Group Art Unit : Not yet assigned
Examiner: : Not yet assigned
Docket No. : 007193-13
Customer No. : 36,234

CERTIFICATE OF MAILING

I hereby certify that this correspondence, along with any other document mentioned as being enclosed, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Express Mail Label No. EQ287734008US.

11 December 2006
Date


Marilyn J. Morris

TRANSMITTAL LETTER - RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: DO/EO/US

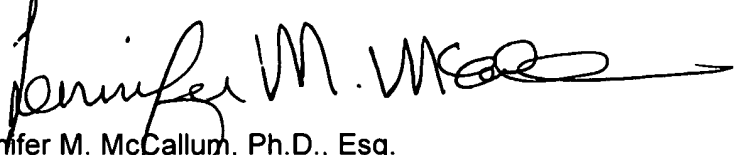
Dear Sir:

In response to the Notification of Defective Response dated November 17, 2006, included herewith are:

1. Copy of Formalities Letter (Notification of Defective Response);
2. Amendment and Response to Notification of Defective Response;
3. Substitute paper copy of the corrected sequence listing;
4. A compact disk with the corrected Sequence Listing in Computer Readable Form; and
5. Statement Regarding Sequence Listing.

It is believed that no further fees are required at this time; however, if additional fees are required, please charge such fee or credit any overpayment to Deposit Account No. 502679.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jennifer M. McCallum", with a long horizontal flourish extending to the right.

Jennifer M. McCallum, Ph.D., Esq.
Reg. No. 52,492

THE MCCALLUM LAW FIRM, LLC
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OF THE PATENT COOPERATION TREATY**

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Applicant: : Dunse et al.
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For. : Novel Insect Enzymes And Inhibitors Thereof
Customer No. : 36,234

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11 December 2006
Date


Marilyn J. Morris

AMENDMENT AND RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTN: DO/EO/US

Dear Sir:

In response to the Notification of Defective Response dated November 17, 2006 please amend the above referenced application as follows:

Applicants request that the enclosed sequence listing (pages 1-65) be substituted for pages 1-98 of the sequence listing filed in the International Application and that it be entered into the above referenced application prior to examination. No new matter has been added in this amendment.

A copy of the substitute sequence listing in computer readable form is enclosed. Applicants request that this document also be entered in the above application prior to examination.

Descriptions of the amendments to the sequence listing begin on page 2.

Please enter the following amendments in the sequence listing <213> as follows:

Sequence ID No: 1, description has been amended to: artificial sequence;

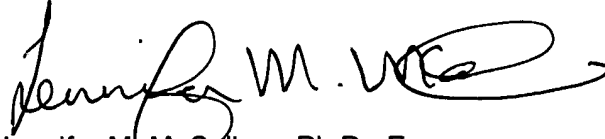
Sequence ID Nos: 23, 24, 26, 27, description has been amended to: *Nicotiana glauca*;

Sequence ID Nos: 77 – 78, description has been amended to: potato

Sequence ID Nos: 90 - 93, description has been amended to: *Helicoverpa* sp.

It is believed that no further fees are required at this time; however, if additional fees are required, please charge such fee or credit any overpayment to Deposit Account No. 502679.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jennifer M. McCallum". The signature is fluid and cursive, with a large loop at the end.

Jennifer M. McCallum, Ph.D., Esq.
Reg. No. 52,492

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UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/554,237	Kerry Michelle Dunse	007193-13

36234
 JENNIFER M MCCALLUM, PH D, ESQ
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 685 BRIGGS STREET
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INTERNATIONAL APPLICATION NO.

PCT/AU04/00524

I.A. FILING DATE

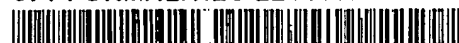
PRIORITY DATE

04/23/2004

04/23/2003

CONFIRMATION NO. 1348

371 FORMALITIES LETTER



OC000000021261039

Date Mailed: 11/17/2006

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 10/21/2005
- Copy of the International Search Report filed on 10/21/2005
- Preliminary Amendments filed on 10/21/2005
- Biochemical Sequence Diskette filed on 08/04/2006
- Oath or Declaration filed on 08/04/2006
- Biochemical Sequence Listing filed on 08/04/2006
- Request for Immediate Examination filed on 10/21/2005
- U.S. Basic National Fees filed on 10/21/2005
- Priority Documents filed on 10/21/2005
- Specification filed on 10/21/2005
- Claims filed on 10/21/2005
- Abstracts filed on 10/21/2005
- Drawings filed on 10/21/2005
- Paper nucleotide sequence listings filed on 10/21/2005

Applicant's response filed 08/04/2006 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 06/15/2006 have not been completed.

- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", as well as an amendment specifically directing its entry into the application OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is required to complete the response within a time limit of **ONE MONTH** from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

ANITA D JOHNSON

Telephone: (703) 308-9140 EXT 226

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/554,237	PCT/AU04/00524	007193-13